

Appl. No. 10/605,097
Amtd. dated July 31, 2006
Reply to Office action of May 11, 2006

Amendments to the Claims:

Listing of Claims:

Claim 1 (currently amended): A method for accessing a variable memory of an optical disk drive comprising the following steps:

5 (a) utilizing the optical disk drive to read data of an optical disk and identifying the type of the data;
(b) if the type of the data is ~~CD~~ first optical disk data, arranging storing reading variables ~~from~~ at an initial address of the variable memory; and
(c) if the type of the data is ~~DVD~~ second optical disk data, arranging storing reading variables ~~from~~ at the initial address of the variable memory;
10 wherein an arrangement of the variable memory is fixed.

Claim 2 (currently amended): The method of claim 1 wherein the ~~CD~~ first optical disk data type is CDDA, VCD, CD-ROM, CD-R, or CD-RW, and the ~~DVD~~ second optical disk data type is DVD-ROM, DVD-R, DVD-RW, DVD+R, DVD+RW, or DVD-RAM.

Claim 3 (currently amended): The method of claim 1 wherein the reading variables in step (b) or (c) are related to content of the optical disc disk.

20 Claim 4 (currently amended): The method of claim 1 wherein when the optical disk stores the reading variables in variables in step (b) or (c) in the variable memory, the reading variables replace variables replace reading variables of a last-inserted optical disk stored in the initial address of the variable memory.

25 Claim 5 (currently amended): The method of claim 1 further comprising storing common reading variables necessary for the optical disk drive to access the optical disk into the variable memory, wherein the common reading variables include drive

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variables include drive configuration, status, or tray status.

Claim 6 (original): The method of claim 5 wherein the common reading variables stored in the variable memory will not be replaced.

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Claim 7 (original): An optical disk drive for performing the method of claim 1.

Claim 8 (currently amended): A method for accessing a variable memory of an optical disk drive comprising following steps:

10 (a) utilizing the optical disk drive to read data of a DVD and identifying the type of the data.;

(b) if the type of the data is DVD-ROM data, arranging storing reading variables from at an initial address of the variable memory;

(c) if the type of the data is DVD-RAM data, arranging storing reading variables from at an initial address of the variable memory;

15 wherein an arrangement of the variable memory is fixed.

Claim 9 (currently amended): The method of claim 8 wherein when the optical disk drive stores the reading variables in step (b) or (c) in the variable memory, the reading ~~variables replace~~ variables replace reading variables of a last-inserted disk stored in the ~~initial address~~ initial address in the variable memory.

20 Claim 10 (currently amended): The method of claim 8 further comprising storing common reading variables necessary for the optical disk drive to access the optical disk into the variable memory, wherein the common reading variables ~~include~~ drive include drive configuration, status, or tray status.

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Claim 11 (currently amended): The method of claim 10 wherein the common reading variables stored in the variable memory will not be replaced be replaced.

Claim 12 (original): An optical disk drive for performing the method of claim 8.

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Claim 13 (currently amended): A method for accessing a variable memory of an optical disk drive comprising following steps:

- (a) utilizing the optical disk drive to read and write data of an optical disk and identifying the type of the data;
- (b) if the type of the data is first recordable CD optical disk data, arranging storing writing variables from at a first initial address initial address of the variable memory; and
- (c) if the type of the data is DVD second recordable optical disk data, arranging storing writing variables from at the first initial address initial address of the variable memory;

wherein an arrangement of the variable memory is fixed.

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Claim 14 (currently amended): The method of claim 13 wherein the first recordable CD optical disk data type is CD-R or CD-RW, and the DVD second recordable optical disk data type is DVD-R, DVD-RW, DVD+R, DVD+RW, or DVD-RAM.

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Claim 15 (currently amended): The method of claim 13 wherein when the optical disk drive stores the writing variables in variables in step (b) or (c) in the variable memory, the writing variables replace variables replace writing variables of a last-inserted optical disk stored in the first initial address in the variable memory.

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Claim 16 (currently amended): The method of claim 13 further comprising:

- if the type of the data is first recordable CD optical disk data, arranging storing reading variables from a second initial address initial address of the variable memory; and
- 5 if the type of the data is DVD second optical disk data, arranging reading variables from the second initial address initial address of the variable memory.

Claim 17 (original): The method of claim 16 wherein the first and second initial addresses are different.

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Claim 18 (original): An optical disk drive for performing the method of claim 13.

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